



St. Xavier's College

Mumbai

Syllabus

for B.Sc IV Semester Course Scientific
Communication Skills-Geology

Contents:

- Syllabus for: Scientific Communication Skills Course (Geology)
GEO03SCS and GEO04SCS

Course co-ordinators- Dr. Ashwin Pundalik and Dr. Hrishikesh Samant

Fourth Semester-

Objective- Making students learn the skills of report writing, referencing and report presentation. To prevent plagiarism, students are made aware of the rules and correct way of referring to external sources of data. Along with this, students are also taught about field data collection and processing, and communicating with the locals about the applied aspects of the subject. The outline of the course is as follows-

1) Communicating geosciences- (1 session)

communicating geological aspects of hazards and natural resources to common people. How society can benefit from the geological knowledge

2) Preparation of pre-field and field reports- (3 sessions)

Data presentation

Technical accuracy and data processing.

Parts of a technical report- necessary information to be given in the report. Do's and don'ts of preparing a technical report.

Reading professional reports and analysis.

Collecting information about field area prior to field work

Referring previous literature and preparing summary.

3) References and bibliography- (2 sessions)

Various formats of bibliography,

Format of references in the manuscript of paper/report. Cross referencing

Rules and regulations for preventing plagiarism and repercussions of plagiarism.

Evaluation

Evaluation involves testing skills for referencing and data collection, as well as presentation of the field data.

Recommended Reading-

1. Allen, G. and Illingworth, S. (2016) Effective Science Communication: A practical guide to surviving as a scientist, IOP Science, Online ISBN: 978-0-7503-1170-0, Print ISBN: 978-0-7503-1171-7, 153p.
2. Coe, A. L. (Ed.). (2010). Geological field techniques. ISBN: 978-1-444-33062-5 John Wiley & Sons. 224p.
3. Hanganu-Bresch, C. and Flaherty, K. (2020) Effective Scientific Communication: The Other Half of Science. ISBN: 9780190646813, Oxford University Press, 432p.
4. Gregory, J. and Shortland, M. (1991) Communicating Science: A Handbook, Longman Sc & Tech, ISBN-13: 978-0470216965, 186p.